

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08K7/24 C08K3/04 C08K7/06 C01B31/02 C08F292/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C08K C01B C08F D01F H01L H01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/060812 A (WILLIAM MARSH RICE UNIVERSITY; TOUR, JAMES, M; BAHR, JEFFREY, L; YANG,) 8 August 2002 (2002-08-08) page 21, line 28 - page 22, line 10; claims 124-129; figures 1,12,13,15-17,21,23	1-34
Y	claims 124,125; figure 1	1-11, 13-18, 20-30

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the International filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the International search

16 March 2005

Date of mailing of the International search report

30/03/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	<p>BRATCHER, MATTHEW; GERSTEN, BONNIE; JI, HELEN; MAYS, JIMMY: "Study in the Dispersion of Carbon Nanotubes" MATERIALS RESEARCH SOCIETY SYMPOSIUM PROCEEDINGS, vol. 706, 2002, pages Z9 29 1-Z9 29 6, XP001205807 the whole document figure 1</p>	<p>1,2, 9-11,13, 14, 16-18, 20-31</p>
Y	<p>US 3 287 298 A (D'ALELIO GAETANO F) 22 November 1966 (1966-11-22) column 4, line 6 - line 63</p>	<p>1-11, 13-18, 20-30</p>
P,X	<p>WO 2004/046031 A (RENSSELAER POLYTECHNIC INSTITUTE; AJAYAN, PULICKEL; RYU, CHANG, Y; CHA) 3 June 2004 (2004-06-03) paragraphs '0028! - '0032!; claims 1-48; examples 1-6</p>	<p>1-34</p>
A	<p>EDERLE Y ET AL: "CARBANIONS ON GRAFTED C60 AS INITIATORS FOR ANIONIC POLYMERIZATION" MACROMOLECULES, AMERICAN CHEMICAL SOCIETY. EASTON, US, vol. 30, no. 15, 28 July 1997 (1997-07-28), pages 4262-4267, XP000657706 ISSN: 0024-9297 the whole document</p>	<p>1-34</p>
A	<p>SHAFFER, M.S.P.; KOZIOL, K.: "Polystyrene grafted multi-walled carbon nanotubes" CHEMICAL COMMUNICATIONS, 12 September 2002 (2002-09-12), pages 2074-2075, XP002321300 the whole document</p>	<p>1-34</p>

Information on patent family members

International Application No

PCT/US2004/019769

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02060812	A	08-08-2002	DE 10295944 T5 GB 2389847 A JP 2004530646 T WO 02060812 A2	15-04-2004 24-12-2003 07-10-2004 08-08-2002
US 3287298	A	22-11-1966	NONE	
WO 2004046031	A	03-06-2004	WO 2004046031 A1	03-06-2004